GSM AUTO DIALER

Remote Monitoring & Control using your mobile phone

www.gsm-activate.co.uk

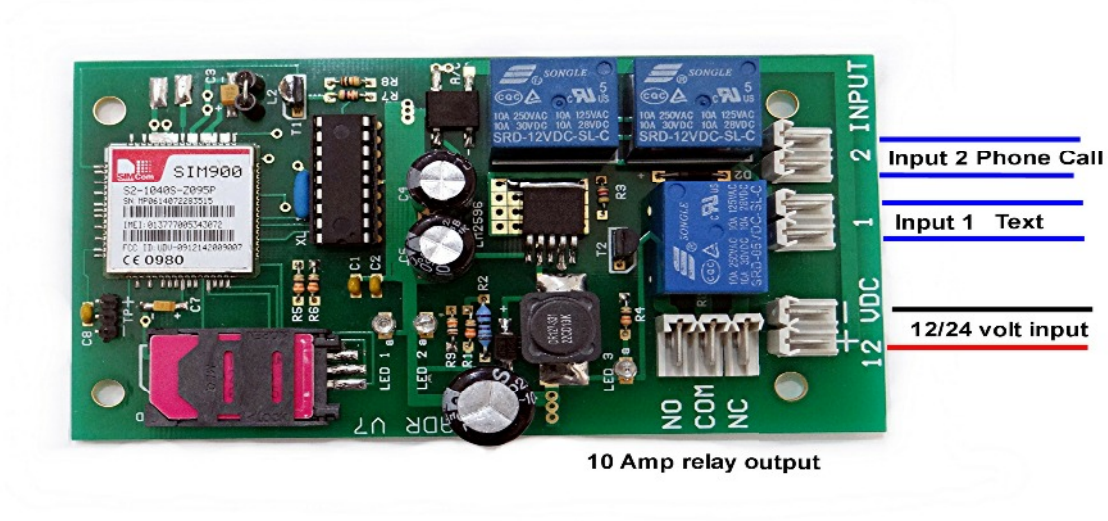
Product Information

Our GSM Auto-Dialer is a versatile unit which can be attached to many of your electronic devices in your homes, work, gardens or wherever you need, it and it will alert you using GSM technology and send you a text message, or make a call to your mobile phone or landline so you are aware if there is a problem/failure/status change wherever you are in the world.

Our GSM Auto-dialer is set apart from other models on the market by being quad band frequency meaning it can be used worldwide and we frequently ship models all over Europe, USA and Australia with excellent feedback, the unit is also enclosed in a IP65 rated box which means it is perfectly weatheproof for outside installation and has passed testing in high temperature and below freezing conditions.

- - GSM - Frequency: Quad band freq 850/900/1800/1900 MHz
- - Power Supply Voltage: 9 - 24Vdc - 1Amp max
- - Current used in standby mode: 25mA max
- - IP 65 Enclosure rating for outside installation
- - 2 inputs - (Negative or Positive triggered)
- - 10 Amp Relay output
- - Standard 2G simcard
- - No Landline Required
- - Dimensions - L150 xW90 xH45mm
- - Dimensions - PCB only L125 x W67 mm
- - Operating Temperature: -10...+40°C
- - Auto reset
- INPUT 1: SMS Text Alert MAX 3 numbers
- INPUT 2: Dial Out Alert MAX 3 numbers
- - Text for signal strength
- - Stay Active Sim Function
- - Program by Text

INSTRUCTIONS



1. Slide back the sim door and lift it up
2. Slide the simcard into the door making sure that the clipped corner of the simcard lines up with the clipped corner of the simcard holder
3. Close the sim door
4. Slide the sim door to lock the simcard in place

When you first switch the unit on, the red and blue led will come on for 3 seconds.

The blue led will then go out leaving just the red led on.

When the unit finds a signal the red led will go out and the blue will come on and must stay on before you can operate the unit.

IMPORTANT PLEASE READ

PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN INSERTING THE SIMCARD AND THAT YOU PLACE THE SIMCARD WITH THE CLIPPED CORNER FACING OUTWARDS PLEASE LOOK AT PICTURE ABOVE.

SIGNAL STRENGTH

To help make sure that you place the unit in a suitable position you can text the unit to see how much signal strength the dialler is receiving, by texting the command **#SIGNAL#**

The dialler will perform a test on the signal strength.

You will receive a text telling you a signal strength score between 0 upto 30 we **strongly** recommend that you place the unit where you can receive a signal strength score of at least 10.

You will find that scores less then 10 the unit will be **unreliable and is not suitable**.

You can purchase a 3 metre antenna booster from the website www.gsm-activate.co.uk

How to program the contact number.

By inserting your simcard into the auto-dialer, turn on the unit and wait until you receive a steady blue light, this will indicate that you have a mobile signal.

You will now need to send a text with the contact number

Note : To avoid confusion we have colour coded the hash (#) and the equal (=) symbols.

Example:(hash) (1 or 2 or 3) (equals) (phone number) (hash)

#1=01798865555# then send this as a text to the simcard
#2=07748434444# then send this as a text to the simcard
#3=07754063333# then send this as a text to the simcard

If you wish to cancel a number follow this example

Example: (hash) (DELETE) (equals) (1 or 2 or 3) (hash)

#DELETE=1# then send this as a text to the simcard

PLEASE SEND ONE MESSAGE AT A TIME AND WAIT FOR THE AUTO DIALER TO SEND YOU BACK A TEXT ACKNOWLEDGEMENT "NUMBER STORED" BEFORE YOU TRY TO ADD ANOTHER NUMBER

Below is a notepad to help you remember the numbers that you have saved to your simcard, in the event you need to modify or delete In the future.

#1=_____ #

#2= _____#

#3=_____ #

How to program the sms text message.

You can now change the alarm message to one of your own choosing.

To change the message send the text command as follows.

#MESSAGE= YOUR MESSAGE **#**

This will change the message to "YOUR MESSAGE"

The default message is ALARM

Note

You can only use a maximum of 30 characters including spaces for your customised message

*You will receive a text acknowledgement "MESSAGE STORED" once the unit has changed the message.

FACTORY RESET:

To perform a quick factory reset which will delete **ALL** stored numbers and custom messages please use the text command **#RESET?#**

The RED LED will flash 6 times to indicate that the reset has been Successful.

How does the auto-dialer work.

The auto-dialer has two Alarm inputs and one 10 amp relay output.
when an input is activated the blue led will start to flash 6x times
this indicates that alarm signal has been triggerd.

INPUT 1: (text mode) When activated will automatically send a text message to 3 pre-programmed numbers that you have programmed in to your Auto-dialer,
the text message will say ("**ALARM**").

INPUT 2: (Phone call mode) When activated will automatically Dial out to 3 pre-programmed numbers, after dialing the numbers it will hang up after 6 ring tones, this will prevent any call charges being made to the Simcard.

AUTO RESET

This will happen automatically, when the input trigger is reset, the auto-dialer will then be ready for the next trigger input .

RELAY OUTPUT:

This unit has a 10 amp relay output which can be used to turn on external equipment such as an alarm bell or lighting. The relay is programmed to come on when the auto dialer has been triggered for a period of 30 seconds

Note
Please make sure you have credit on your simcard to receive text Messages and Acknowledgments.

It may take a time to send or receive a text acknowledgement this depends upon how busy your telephone network is at the time.

The unit has a “sim active” function which monitors the activity on the simcard and if it has been inactive for 6 weeks it sends a text to pre-recorded number, this will then eliminate the problem of sim’s getting shut down if they are unused for 3 months.

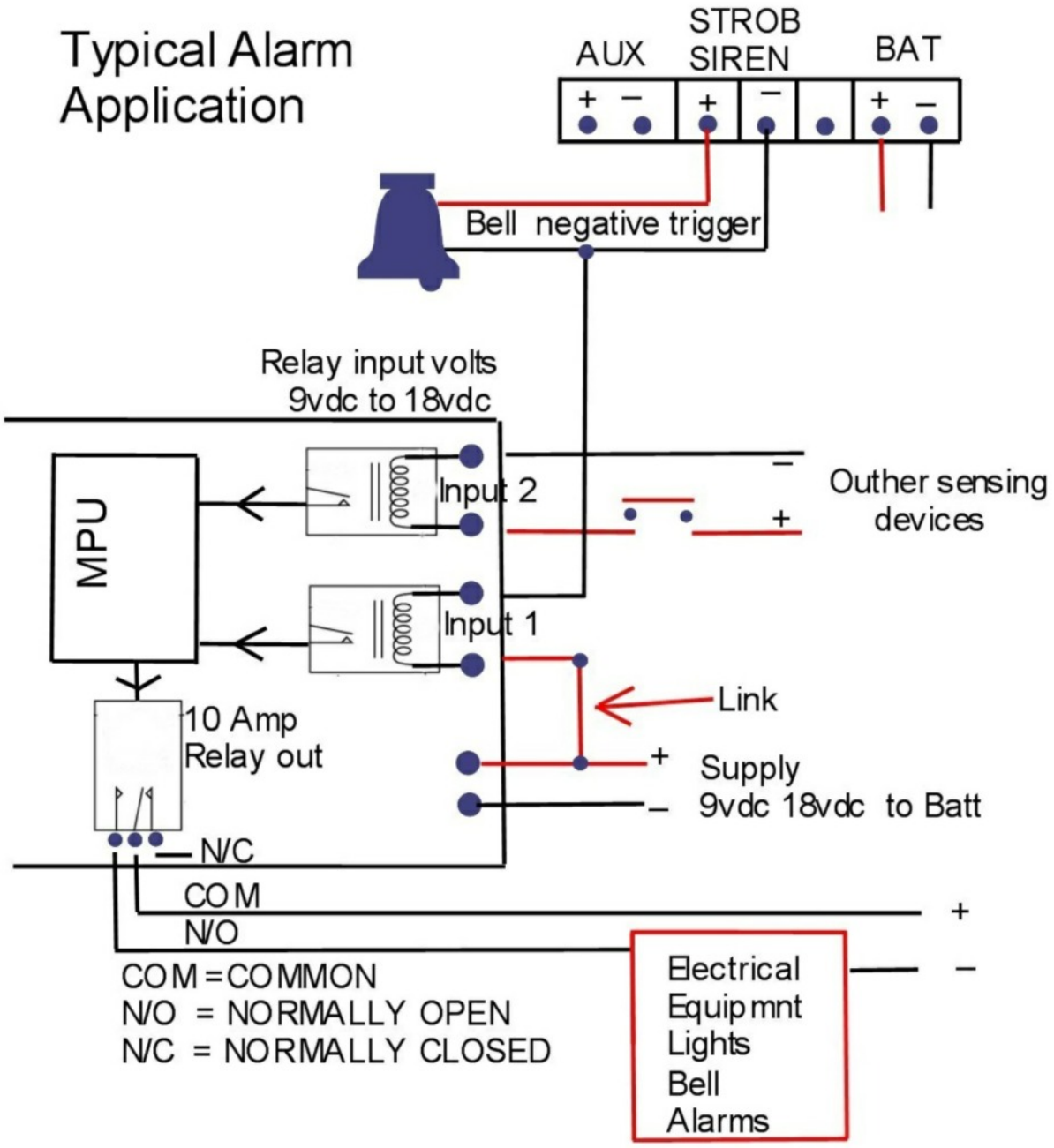
New SIM cards will need registering before they can be used. Full details of how this is done can normally be found in the SIM card pack. It will normally require that the SIM card is inserted into a mobile phone, a number dialled and instructions followed. While the SIM is in the mobile phone it would be a good time to disable any PIN codes, call diverts, ring back and disable features such as **voicemail** and text alerts. Details of how to do this can be found on the SIMcard provider’s web site or by calling their customer services. Please use one of the following SIM card providers (Vodafone, TMobile, O2 or Orange). We do not recommend using **3** at this present time

Quick Reference

Send Text	Operation	Acknowledgment
#SIGNAL#	Check Signal Strength	0 - 30
#1=number#	To Store Number	Number Stored
#Delete=1#	To Delete Number	Number Stored
#MESSAGE=yourmessage#	Change Default Message	Message Stored
#Delete=1#	Factory Reset	Red Light Flashes x6

Typical Application of Product

- Security alarm system applications
- Supervision and monitoring alarm systems
- Automatic monitoring system
- Vending machines security protection
- Pumping Stations, tanks, oil or water levels
- Buildings and real estate
- Weather stations
- River monitoring and flood control
- Fridges / Fish Tanks
- Farming Equipment and Security



INPUT 1+2

As you can see in the circuit diagram above, the inputs are relays and can be activated by supplying 9v to18v volts across the input terminals for 4 seconds this will activate the input.

Relay output

The relay has Common, Normally open, Normally closed, contacts which are capable of 10 Amp loads.
This is suitable for turning on/off electrical equipment.
Or it can be used for resetting your alarm system.

For more technical information you can contact
Technical on 0800-246-1583
Or Email gsmswitch@hotmail.co.uk